

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	116	(groove channel recess hollow trench path passage pathway) with braz\$3 with joint.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:39
L2	3	braz\$3 near2 (groove channel recess hollow trench path passage pathway) with contaminat\$3 and (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:47
L3	24	braz\$3 with (groove channel recess hollow trench path passage pathway) with contaminat\$3 and (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:50
L4	49	("3355078" "3955163" "4603466" "4707012" "5230741" "5267607" "5374829" "5376180" "5516367" "5531835" "5556476" "5703493" "5738165" "5749999" "5961774" "6149727" "6179924" "RE31053"). PN. OR ("6464790"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:51
L5	4175	((118/728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 10:54
L6	4	braz\$3 near2 (groove channel recess hollow trench path passage pathway) and L5	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:54
L7	12	braz\$3 near2 (joint) and L5	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:54
L8	2	("5155652" "6099697"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:57
L9	1	("5511799").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 10:58

L10	34	("1716157" "2858126" "2972808" "3124714" "4073427" "4512841" "4771730" "4897171" "4991991" "5073716" "5104834" "5134436" "5155652" "5179498" "5191506" "5265790"). PN. OR ("5511799"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 10:58
L11	10	("5228501" "5511799" "5535090" "5656093" "5810933" "5861086"). PN. OR ("6853533"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:06
L12	7	11 and braz\$3	US-PGPU; USPAT; USOCR	OR	ON	2009/11/06 11:07
L13	58	("20020036881" "20020050246" "20020081445" "20050219786" "3586343" "4645218" "4902025" "5155652" "5191506" "5213349" "5280156" "5376213" "5460684" "5478429" "5527584" "5529657" "5581874" "5600530" "5606484" "5625526" "5665260" "5671116" "5737178" "5745331" "5818693" "5827585" "5858100" "5870100" "5879100" "5886863" "5886864" "5906684" "5949650" "5958813" "5978202" "5994662" "6034863" "6048434" "6072685" "6081414" "6094334" "6108189" "6120661" "6159055" "6215641" "6219219" "6310755" "6490144" "6503131" "6503572" "6538872" "6563686" "6646233" "6700099" "6740853" "6853533" "6907924" "6918530"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:08
L14	22	13 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:09

L15	1	braz\$3 near2 (groove channel recess hollow trench path passage pathway) with contaminat\$3 and 5	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:13
L16	4	braz\$3 near2 (groove channel recess hollow trench path passage pathway) and 5	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:14
L17	2041	braz\$3 near2 (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:14
L18	65	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control%4 contaminat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:15
L19	20	("2125324" "2646995" "3015885" "3259971" "3276113" "3475811" "3514842").PN. OR ("3909917").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:28
L20	14	("2125324" "2646995" "3015885" "3259971" "3276113" "3475811" "3514842").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 11:37
L21	1	10/587390	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:08
L22	579	5 and (heat\$3 near (liquid fluid gas) steam)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:22
L23	83	5 and (heat\$3 near (liquid fluid gas) steam) with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 12:22
L24	5839	((118/725,728-732) or (156/345.51-345.55)). OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 15:05
L25	943	24 and (heat\$3 near (liquid fluid gas) steam)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06
L26	209	24 and (heat\$3 near (liquid fluid gas) steam). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06
L27	30	24 and (heat\$3 near (liquid fluid gas) steam). clm. and (AIN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:06

L28	15	24 and (heat\$3 near (liquid fluid gas) steam) same (AlN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:36
L29	28	("20010020516" "3911386" "4622687" "5078851" "5155652" "5280156" "5306895" "5376213" "5415225" "5547539" "5595241" "5665166" "5665260" "5675471" "5753132" "5788799" "5800618" "5846375" "5880924" "5900103" "6074518" "6081414" "6101969" "6106737" "6135052" "6143128" "6197246" "6391147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:39
L30	14	29 and (AlN aluminum adj nitride)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 15:39
L31	1	("6179924").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/06 16:28
L32	23	("3791342" "4790262" "4854263" "4892753" "4990374" "5094885" "5230741" "5238499" "5252807" "5374594" "5447570" "5516367" "5556476" "5688331" "5730804" "5911834" "5994678").PN. OR ("6179924").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:28
L33	1642	24 and (heat\$3) with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:37
L34	1642	24 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refridgerant refrigerat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:38

L35	492	24 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refrigerant refrigerat\$3). clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:38
L36	17	24 and (heat\$3) with (groove channel recess hollow trench path passage pathway) with (cool\$4 thermal\$4 temperature heat\$4 (heat adj transfer) colder refrigerant refrigerat\$3). clm. and thermoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:39
L44	28	("20010020516" "3911386" "4622687" "5078851" "5155652" "5280156" "5306895" "5376213" "5415225" "5547539" "5595241" "5665166" "5665260" "5675471" "5753132" "5788799" "5800618" "5846375" "5880924" "5900103" "6074518" "6081414" "6101969" "6106737" "6135052" "6143128" "6197246" "6391147").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 16:49
L45	3	24 and (heat\$3) with steam with (groove channel recess hollow trench path passage pathway)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:07
L46	47	24 and (heat\$3) with steam	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:07
L47	12	("4956043" "5220171" "5846375" "5927077" "6080969" "6226073" "6229116" "6332724" "6736206" "6744020" "6810298" "6824616").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:09

L48	12	("4956043" "5220171" "5846375" "5927077" "6080969" "6226073" "6229116" "6332724" "6736206" "6744020" "6810298" "6824616"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:21
L49	5	("20010017035" "5846375" "6102113" "6415858" "6544338"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:21
L50	7286	thermoelectric adj cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:31
L51	11	50 and 24	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:31
L52	1	"20020139523"	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/06 17:46
L53	3	("6736206").URPN.	USPAT	OR	ON	2009/11/06 17:49
L54	4	10/455491	USPAT	OR	ON	2009/11/06 17:49
S1	4154	((118/728-732) or (156/345.51-345.55)). OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/02 20:41
S2	146	S1 and heat\$3 and cool\$3 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:41
S3	61	S1 and heat\$3 and cool\$3 near (fluid liquid gas) and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:41
S4	65	("4399016" "4434042" "4448652" "4705595" "4771730" "4832781" "4844767" "4897171" "4911812" "4956043"). PN. OR ("5078851"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/02 20:50
S5	13	("5709757" "5835334" "5851298").PN. OR ("6646233").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:03
S6	5	S5 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:03

S7	78	("20010012604" "20020036881" "20020050246" "20020075624" "20020081445" "20030168439" "20050219786" "3586343" "4180723" "4184188" "4384918" "4645218" "4902025" "5155652" "5191506" "5213349" "5280156" "5376213" "5460684" "5478429" "5527584" "5529657" "5581874" "5600530" "5606484" "5625526" "5665260" "5671116" "5720818" "5729423" "5737178" "5745331" "5796074" "5818693" "5822171" "5827585" "5858100" "5870100" "5879100" "5886863" "5886864" "5906684" "5949650" "5958813" "5978202" "5986747" "5986875" "5994662" "6034863" "6048434" "6072685" "6074512" "6081414" "6094334" "6108189" "6120661" "6159055" "6181049" "6215641" "6219219" "6310755" "6462928" "6490144" "6490146" "6503131" "6503572" "6506291" "6538872" "6563686" "6646233" "6700099" "6740853" "6853533" "6907924" "6918530" "7029529" "7247819" "7480129").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05
S8	34	S7 and braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05
S9	8	S7 and braz\$3 with seal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/06 17:05
S10	19	((THOMAS) near2 (HAMELIN).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:13
S11	6	US-6180926-\$ DID. OR US-6190063-\$ DID. OR US-6508062-\$ DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:16

S12	2	US-5323292-\$..DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:16
S13	21	("3719052" "4432635" "5029445" "5061630" "5134436" "5154661" "5269146" "5450726" "5456081" "5522215" "5613364" "5667622" "5671117" "5728253" "5740016" "5802856" "5996353").PN. OR ("6508062").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:17
S14	5695	tokyo near electron.as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:19
S15	10	S14 and braz\$3.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/02 16:19
S16	6	US-4534816-\$..DID. OR US-5634537-\$..DID. OR US-6677167-\$..DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:23
S17	5	("2002/0050246").URPN.	USPAT	OR	ON	2009/11/05 21:54
S18	4175	((118/728-732) or (156/345.51-345.55)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/05 21:55
S19	316	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 21:57
S20	70	(cool\$3) near (groove channel trench path passage pathway).clm. and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 21:57
S21	3	10/670292	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:05
S22	17	("5268812" "5323292" "5458189" "5615086" "5659458" "5720338" "5880524" "5907474" "5957547" "6133631" "6212074" "6474074" "6504720" "6550263" "6550531" "6665187" "6681482").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:06

S23	17	("5268812" "5323292" "5458189" "5615086" "5659458" "5720338" "5880524" "5907474" "5957547" "6133631" "6212074" "6474074" "6504720" "6550263" "6550531" "6665187" "6681482").PN. OR ("6992892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:07
S24	1	(braz\$3) near4 (groove channel trench path passage pathway).clm. and heat\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:10
S25	4176	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:11
S26	36	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:11
S27	13	(cool\$3) near (groove channel trench path passage pathway) and heat\$3 and braz\$3 with (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:15
S28	0	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control%4) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:16
S29	0	braz\$3 near2 (groove channel trench path passage pathway) with (trap\$3 isolat\$3 prevent\$3 contain\$3 control\$4) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:16
S30	4	braz\$3 near2 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:17
S31	7	braz\$3 near4 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:17

S32	9	braz\$3 near6 (groove channel trench path passage pathway) and S18	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:20
S33	2	S32 not S31	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:20
S34	118	(groove channel trench path passage pathway) near (trap\$3 isolat\$3 prevent\$3 contain\$3 control\$4) with braz\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:21
S35	2	("4519445").URPN.	USPAT	OR	ON	2009/11/05 22:24
S36	27	braz\$3 near2 (groove channel trench path passage pathway) and ("118" "156" "216" "414").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/05 22:25

EAST Search History (Interference)

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11/ 6/ 2009 6:11:49 PM**C:\ Documents and Settings\tnuckols\ My Documents\ EAST\ Workspaces\ 10-587390 Brazed Substrate Holder with Cooling Passages and Heater.wsp**